

Report Date: 27 Jan 2015

Summary Report for Individual Task
551-88M-2311
Supervise Operation of the Gas Particulate Filter Unit (GPFU) on the M1070A1 Truck Tractor
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD5 - This product/publication has been reviewed by the product developers in coordination with the Fort Lee, VA. foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

Condition: In an Operational Environment, complete a risk assessment worksheet on procedures to be performed and ensure command approval of procedures is achieved. Given a M1070 Heavy Equipment Transporter (HET) tractor with functioning Gas Particulate Filter Unit (GPFU), full protective mission oriented protective posture (MOPP) gear to include either the M25A1 or M42 protective masks. This task is always performed in MOPP 4.

Standard: Supervise the HET Operator in Operating the GPFU with 100% accuracy on the M1070A1 Tractor (after assuming MOPP level 4 posture) without injuring personnel or damaging any equipment or surroundings.

Special Condition: None

Safety Risk: Low

MOPP 4: Always

Task Statements

Cue: Your unit is required to operate in a suspected chemically contaminated area.

DANGER

Soldiers must be aware of the inherent dangers of working in and around tactical wheeled vehicles. Hot surfaces, sharp moving objects such as fan blades, slippery surfaces, and excessively loud noises are all dangers. These dangers are also applicable to hazardous cargo being transported (as applicable). Each Soldier should take every precaution not to become a victim of these dangers by following regulatory guidance and risk management rules.

WARNING

Adhere to all WARNING statements in the referenced technical manuals for the procedures identified for this task.

CAUTION

Adhere to all CAUTION statements in the referenced technical manuals for the procedures identified for this task.

Remarks: None

Notes: None

Performance Steps

1. Conduct a Risk Assessment of the Operation. Complete the worksheet and obtain required signature approval.
 - a. Identify the Hazards.
 - b. Assess the Risks.
 - c. Develop Controls.
 - d. Implement Controls.
 - e. Supervise and evaluate the operation.
2. Provide direct supervision of steps 3 through 10 below and ensure completion as required in the referenced technical manuals for this operation.
3. Remove protective mask and canister from pouch.
4. Put on protective mask.
5. Clear and seal mask.

WARNING

Spring clip on filter assembly air intake must be pulled so intake holes are open for gas particulate filter system to work. Failure to pull out clip may result in serious injury or death to personnel.

6. Pull out spring clip to uncover intake holes.
7. Push GPFU switch up to ON position.
8. Disconnect air duct hose breakaway socket from mount.
Note: Three air duct hoses are located on each cab side wall, behind driver and passenger seats.
9. Connect air duct hose breakaway socket to canister of protective mask.
10. Breathe through protective mask.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If any performance measure is failed, tell the soldier what was done wrong and how to do it correctly.

Evaluation Preparation: SETUP: Brief the Soldier on task specifications. Provide a M1070 Heavy Equipment Transporter (HET) tractor with functioning Gas Particulate Filter Unit (GPFU), full protective mission oriented protective posture (MOPP) gear to include either the M25A1 or M42 protective masks.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Performed a Deliberate Risk Assessment for the following procedures.			
2. Supervised the driver and assistant driver on steps 3 through 10 of this procedure.			
3. Removed protective mask and canister from pouch.			
4. Put on protective mask.			
5. Cleared and sealed mask.			
6. Pulled out spring clip to uncover intake holes.			
7. Pushed GPFU switch up to ON position.			
8. Disconnected air duct hose breakaway socket from mount.			
9. Connected air duct hose breakaway socket to canister of protective mask.			
10. Breathed through protective mask.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	TM 3-4240-280-10	(Rescinded for active Army) OPERATORS MANUAL FOR MASK, CHEMICAL-BIOLOGICAL: AIRCRAFT, ABC-M24 AND ACCESSORIES AND MASK, CHEMICAL-BIOLOGICAL, TANK, M25A1 AND ACCESSORIES (REPRINTED W/BASIC INCL C1-2) 004	Yes	No
	TM 9-2320-427-10	OPERATORS MANUAL FOR TRACTOR, TRUCK, M1070A1 (NSN: 2320-01-564-6882)	Yes	Yes

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. Filter canisters use ASC Whetlerite Carbon which contains Chromium VI. Chromium VI is a known carcinogen if inhaled or swallowed. Damaged or unusable canisters are classified as hazardous waste:

DO NOT throw away damaged or unusable canisters as ordinary trash.

DO turn in damaged or unusable canisters to your hazardous waste management office or Defense Reutilization and Marketing Office (DRMO).

Canisters are completely safe to handle and use if they are not damaged in such a way that carbon leaks from them. In the unlikely event that carbon should leak, use protection such as a dust respirator to cover nose and mouth and put carbon in container such as self-sealing plastic bag; turn in to hazardous waste management office or DRMO.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. After Chemical, Biological, Radiological, and nuclear(CBRN) exposure of HET tractor, handle all air filters with extreme caution. Only trained personnel should handle contaminated filters. Unprotected personnel may experience injury or death if residual toxic agents or radioactive material are present. Wear protective mask, hood, protective overgarments, gloves, and boots in NBC environments. Protective mask filter unit will not protect against carbon monoxide. Spring clip on filter assembly air intake must be pulled so intake holes are open for gas particulate filter system to work. Failure to pull our clip may result in injury or death to personnel.

The mask will not protect the wearer against ammonia or carbon monoxide gases. It is not effective in confined spaces when the oxygen content of the air is too low.

You must check your facepiece for leaks when fitted and each time facepiece is put on. A leaky facepiece will not protect you from toxic agents. Stop breathing and close your eyes when putting on your facepiece.

Toxic agents may be in the surrounding air. Perform the steps for putting on your facepiece quickly. You must put the facepiece on before you take another breath.

In cold weather, do not clear facepiece by exhaling a large volume of air. Moist air will frost eyelenses and impair vision. If you become overheated in extremely cold weather, do not remove your facepiece outdoors until your face and head have

cooled and any sweat has dried. Frostbite may result if facepiece is removed while your face is still wet. To prevent loss of air supply do not kink your hose. In toxic atmosphere, do not break the seal between your facepiece and the side of your face when putting on your helmet. This could cause the facepiece to leak. Keep face clean shaven. An unshaven face could cause a bad seal between face and facepiece. Female soldiers shall remove all hairpins, combs, hair knots, buns, or braids that will interfere with the facepiece seal.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None